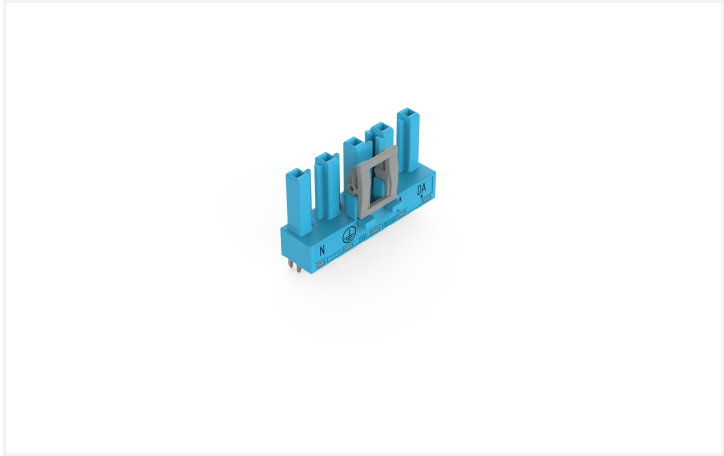
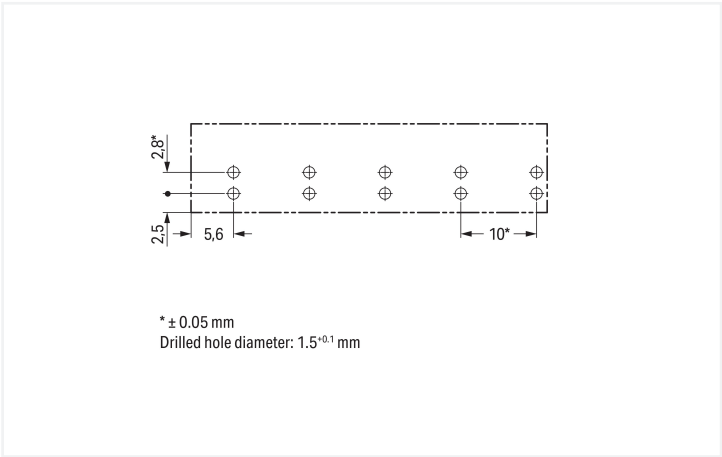
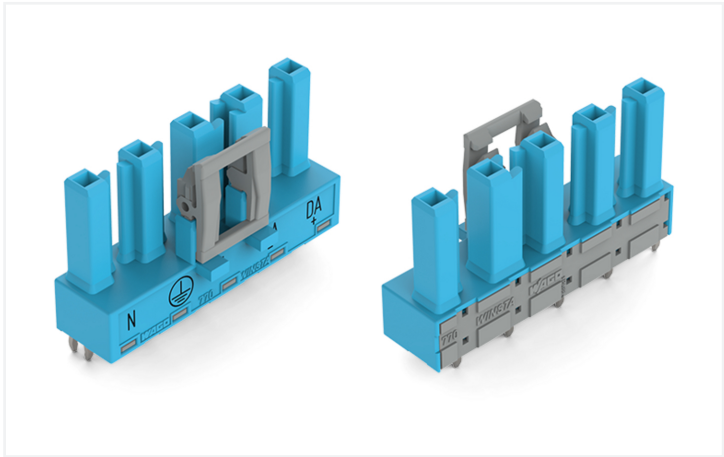
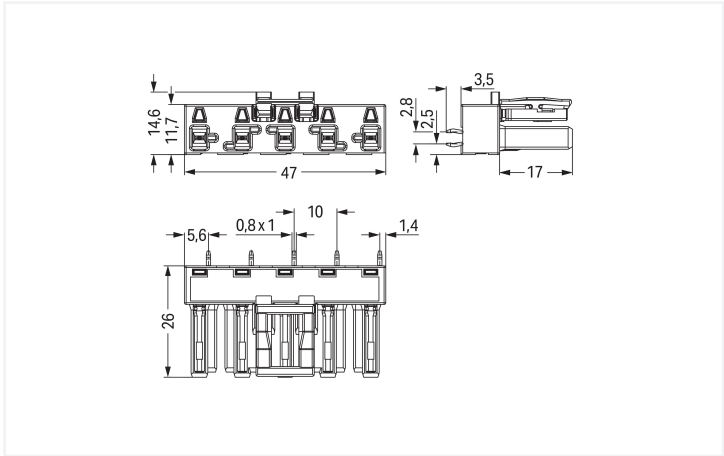




Color: ■ blue



Dimensions in mm



Dimensions in mm

Female connector/socket WINSTA® MIDI with protection against mismatching

The WINSTA® MIDI female connector/socket with locking latch are compact but outstanding PCB terminal blocks. They offer convenient operation and the greatest flexibility for installation. Our pluggable PCB connectors provide a universal pluggable connection system for your devices that meets all the conditions for a stable device connection that is easy to put into operation. The coding options reduce installation errors, allowing fast, secure wiring of all components. WINS-

7A® MIDI pcb connectors with I coding in blue are primarily suitable for intelligent, for instance for the dimming function of DALI lights. This pcb connectors can be used for electrical currents up to 25 A. Thus the product is also suitable for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Due to the included test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and expense.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Now you can also reduce installation costs without compromising safety and quality: with protection against mismating reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- simple circuits
- with I coding for use in building automation (lighting control)
- rapid, structured electrical installation

Notes	
General safety information	1. Only to be used by a qualified electrician or by a person electrically instructed for the task (EIP per DIN VDE 0105-100). 2. Do not install while energized or under load. 3. Use only for its intended purpose. 4. Observe applicable national regulations, standards and directives. 5. Observe the technical specifications of the products. 6. Ensure correct polarity assignment. 7. Do not use damaged or contaminated components. 8. Observe conductor types, conductor cross-sections, strip lengths and cable diameters. 9. Insert conductors up to the stop. 10. Use only with locking lever and strain relief. 11. Use original accessories only. To be sold only with installation instructions!

Electrical data			
Ratings per		IEC/EN 60664-1	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Approvals per		UL 1977
Rated voltage		600 V
Rated current		23 A

General information	
Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket

Connection Data	
Total number of potentials	5

Connection 1	
Pole number	5
Coding	I



Physical data		
Pin spacing		10 mm / 0.394 inches
Width		47 mm / 1.85 inches
Height		29.5 mm / 1.161 inches
Height from the surface		26 mm / 1.024 inches
Depth		14.6 mm / 0.575 inches
Solder pin length		3.5 mm
Solder pin dimensions		1 x 0.8 mm
Drilled hole diameter		1.5 ^(-0.1 ... +0.1) mm

Mechanical data		
Use		DALI, Lighting Management
Variable coding		No
Marking		N ⊕ L DA- DA+
Potential marking		N ⊕ L DA- DA+
Mating force of a plug-in connection		approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection		Locked: > 80 N
Unmating force of a plug-in connection		Unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles		200, without resistive load
Design		straight

Plug-in connection		
Contact type (pluggable connector)		Female connector/socket
Connector (connection type)		for PCB
Mismating protection		Yes
Note on mismating protection		All WINSTA® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole
Mating direction to the PCB		90 °
Locking lever		Yes
Locking of plug-in connection		Locking lever
Note on locking system		All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

PCB contact		
PCB contact		THT
Solder pin arrangement		2 in-line solder pins/pole
Number of solder pins per potential		2

Material data		
Note (material data)		Information on material specifications can be found here
Color		blue
Insulation material (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Clamping spring material		Chrome-nickel spring steel (CrNi)
Contact material		Copper or copper alloy; surface-treated
Contact Plating		Tin
Fire load		0.161 MJ
Weight		9.9 g

Environmental requirements		
Processing temperature		-5 ... +40 °C
Continuous operating temperature		-35 ... +85 °C
Note on continuous operating temperature		Insulating parts for temperatures ≤ 105 °C

Commercial data		
Product Group		20 (Winsta)
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		PL
GTIN		4045454001285
Customs tariff number		85366990990

Product Classification		
UNSPSC		39121409
eCl@ss 10.0		27-44-06-05
eCl@ss 9.0		27-44-06-05
ETIM 9.0		EC002637
ETIM 10.0		EC002637
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates					
General approvals			Approvals for marine applications		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
cURus Underwriters Laboratories Inc.	UL 1977	E45171	LR Lloyds Register	IEC 61984	LR22429487TA

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 770-3105	



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 770-3105	EPLAN Data Portal 770-3105
	WSCAD Universe 770-3105
	ZUKEN Portal 770-3105

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9985/206-101 pre-assembled connecting cable; Eca; Plug/ open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	Item No.: 771-9985/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue
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1.1.2 Male connector/plug

Item No.: 770-1115 Plug; 5-pole; 4,00 mm ² ; blue	Item No.: 770-1115/022-000 Plug; with strain relief housing; 5-pole; Cod. I; 4,00 mm ² ; blue
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1.2 Required Accessories

1.2.1 Cover

1.2.1.1 Cover

Item No.: 770-201 Lockout cap; 12-pole, separable; for sockets; Plastic; black	Item No.: 770-221 Lockout cap; 12-pole, separable; for sockets; Plastic; white
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